

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M115751
Date Received: 02/01/07
Date Extracted: 02/06/07
Date Analyzed: 02/06/07
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M115751, F&BI 702014
Lab ID: 702014-01
Data File: 702014-01.035
Instrument: ICPMS1
Operator: hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	106	60	125
Indium	107	60	125
Bismuth	102	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	260
Nickel	157
Copper	85.2
Zinc	<50

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M115751, F&BI 702014
Date Extracted:	02/06/07	Lab ID:	I7-42 mb
Date Analyzed:	02/06/07	Data File:	I7-42 mb.022
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	104	60	125
Indium	106	60	125
Bismuth	106	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<5

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 02/08/07

Date Received: 02/01/07

Project: Metro Self Monitor, PO# M115751, F&BI 702014

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS BY EPA METHOD 200.8**

Laboratory Code: 702062-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	2.21	2.02	9	0-20
Nickel	ug/L (ppb)	4.48	4.01	11	0-20
Copper	ug/L (ppb)	2.99	2.78	7	0-20
Zinc	ug/L (ppb)	14.3	14.5	1	0-20

Laboratory Code: 702062-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	2.21	98	50-150
Nickel	ug/L (ppb)	20	4.48	92 b	50-150
Copper	ug/L (ppb)	20	2.99	93	50-150
Zinc	ug/L (ppb)	50	14.3	95 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	99	70-130
Nickel	ug/L (ppb)	20	97	70-130
Copper	ug/L (ppb)	20	98	70-130
Zinc	ug/L (ppb)	50	96	70-130

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 8, 2007



INVOICE #07ACU0208-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M115751, F&BI 702014 - Results of testing
requested by Gerry Thompson for material submitted on February 1, 2007.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID # (b) (6)

702014

SAMPLE CHAIN OF CUSTODY

ME 02/01/07

AI 4

Send Report To

GERARD Thompson

Company

Alaskan Copper WORKS

Address

628 S. Howard St

City, State, ZIP

Seattle WA 98134

Phone #

206-382-8379

Fax #

206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

METRO Self monitor

PO #

M 115751

REMARKS

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TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH 9 days

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M 115751	01	2/1/07	12:30	H2O	1											

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

GERARD Thompson
Phan Phan

COMPANY

ACW
FEBI

DATE

2/1/07
2/1/07

TIME

1:56 PM
1:56

Samples received at 21 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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February 8, 2007

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on February 1, 2007 from the Metro Self Monitor, PO# M115751, F&BI 702014 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0208R